



Mechanical/Electrical FAC Meeting Minutes

Date: 15 May 2002

Time: 1:00 p.m. CDT

Location: Conference Call

Minutes by: Kendall Waldie, P.E. Chairman of M/EFAC

Meeting Purpose:

- Completing POC list.
- Discussing proposed change suggestions to A/E/C Standard
- Proposed projects for the CADD Center FY03 program.
- Other issues.

Attendees:

Name	Office	Discipline	FAC Member or District POC	Telephone
Scott Barmann, P.E.	Sacramento District	Mechanical	FAC Member	916.557.7387
X Ricky Grubbs	Fort Worth District	Electrical	FAC Member	817.886.1939
X Cynthia Masten	Seattle District	Electrical	FAC Member	206.764.6595
X Doug Trehern	Savannah District	Electrical	FAC Member	912.652.5602
X Tom Stephenson, P.E.	Transatlantic Programs Center	Mechanical	FAC Member	540.665.4025
X Kendall Waldie, P.E.	Fort Worth District	Mechanical	FAC Member	817.886.1391

X next to a name indicates the person attended the meeting.

Discussion Items:**No. 1 – Completion of Mechanical and Electrical POC list**Discussion and Conclusions:

1. Kendall sent out the list from the last FY for review.
2. Once a list is complete, Kendall will start inviting the POC's to join the conference call
3. Status?

Action by:	Action required:	Due by:
All	Complete List and send back to Kendall.	12 June 02

No. 2 – Bentley International Users Conference (BIUC)Discussion and Conclusions:

1. The Bentley International Users Conference (BIUC) will be 19-23 May 2002 in Atlantic City, NJ.
2. Kendall, Cynthia and Doug will be attending the BIUC.
3. All who needed it for attendance have received funding.

Action by:	Action required:	Due by:
	None	

No. 3 – A/E/C CADD/GIS SymposiumDiscussion and Conclusions:

1. The A/E/C CADD/GIS Symposium will be held in 19-22 August 2002 in San Antonio, TX.
2. We will discuss attendance at this conference later.

Action by:	Action required:	Due by:
	None	

No. 4 – Proposed Change to A/E/C file naming convention.Discussion and Conclusions:

1. Fort Worth District has created a revised file naming convention. This convention is based on the one in the A/E/C Standard. However, it allows for sheet numbers that are more traditional in format. The A/E/C standard results in sheet numbers that look like A3101. The revised standard will result in sheet numbers that look like A101.
2. The proposed changes and an explanation of why the changes were made can be found at: http://www.swf.usace.army.mil/ed/mech/CADD_File_Name.htm
3. We will discuss the group's opinions on the next conference call.

Action by:	Action required:	Due by:
All	Submit comments to Kendall.	12 June 02

No. 5 – Proposed Change to A/E/C level conventions.Discussion and Conclusions:

1. It was suggested that the A/E/C Standard be adjusted in the General Information section. The proposed changes were to alter levels 2 and 5 in the Plumbing and Mechanical disciplines.
 - a. Currently:
 - i. Level 2 is Reference keynotes with associated leaders
 - ii. Level 5 is General notes and general remarks
 - b. Proposed:
 - i. Change Level 2 to be: Text for 1/8"=1'-0" or 1:100 scale plans.
 - ii. Change Level 5 to be: Text for 1/4"=1'-0" or 1:50 scale plans.
2. We will discuss the group's opinions on the next conference call.

Action by:	Action required:	Due by:
All	Submit comments to Kendall.	12 June 02

No. 6 – Center Projects to be ranked.Discussion and Conclusions:

1. The proposed projects that we want to vote for are in order of preference:
 - a. #03.001 Populate HVAC for TriForma 3D-Cell Library and Preference Files to meet the A/E/C Standard
 - i. This project will create cells and preference files that allow HVAC designers to automate the creation of HVAC plans.
 - ii. An additional benefit will be realized when the Bentley products become IAI compliant. At that point, the 3-D cells will be easily convertible to IAI compliant objects.
 - b. 96.023 Generic Details Library Updates and Revisions
 - i. This project will help update the generic details to correct for the many errors and omissions that currently make the library useless.
 - ii. This project will also update the details to comply with the A/E/C Standard.
 - iii. These two activities will save designers time in ensuring compliance with the standard and help avoid design errors due to the use of faulty details.
 - c. 03.022 Scanning Project
 - i. This project will be a valuable tool in the conversion of historic paper drawings to digital media that complies with the CADD standards. This will save designers valuable design time when working on existing buildings where no electronic data is available.
 - d. 03.006 Standard Practice for Preparation of As-Built Files
 - i. This is a badly needed standard. There is currently no process in place to check as-built drawings for compliance with the standard. This causes problems for the end users and the designers who have to use those files later.
 - e. 03.003 Structural Detail Library Additions
 - i. Structural designs are very detail intensive. We are not convinced that project #96.023 will fix all the problems with the detail libraries with the funding requested. As a result, if this project is funded, the structural engineers in the Structural FAC would generate a useful, accurate set of details that comply with the CADD Standard.
 - f. 03.025 A/E/C CADD Standard Compliant Drawing Set
 - i. We believe that through the creation of this drawing set, the Center will have the opportunity to discover many of the problems in the CADD standard and be able to correct them. This drawing set will also be beneficial in showing those not familiar with the standard, how to assemble drawings that are compliant.
 - g. 03.018 Development of Data Collection Procedures and Graphic and Attribute Data Standards for Backflow Prevention Device Maintenance Programs at Military Installations.
 - i. Military installations are required to maintain and inspect the backflow prevention devices on their installation at least annually. Given that there are at least one if not more in each building on an installation, it is difficult to keep track of where all the devices are and when they were last inspected. This project will assist the installation personnel in complying with this requirement.
 - h. 03.009 Interior Design Procurement Software
 - i. This seems like it would be useful in the creation of furniture packages and would result in reduced design times.
 - i. 03.010 Emergency Flood Forecasting System.
 - i. Hey, we are the Corps of Engineers; we are in the flood prevention business. This project just makes sense.

Action by:	Action required:	Due by:
Kendall	Forward votes to the SAC for consideration in	TBD

No. 7 – Next meeting: 12 June 02		
<u>Discussion and Conclusions:</u> 1. Call 1-877-927-0634 a. Access code 806764 b. Master code 108932.		
Action by:	Action required:	Due by:
Kendall	Send out invitations to all.	05 June 02